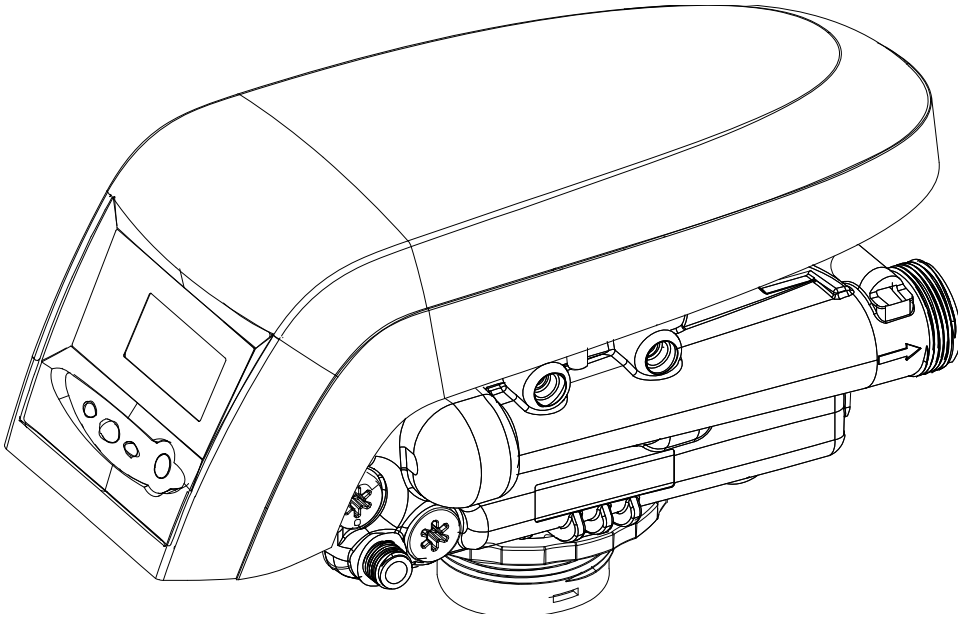
PROFESSIONAL WATER SYSTEMS

Homeowner's Manual

Model 268 Co-current Conditioner



Professional Water Systems, Inc.

1-800-432-6897 • www.professionalwatersystems.com

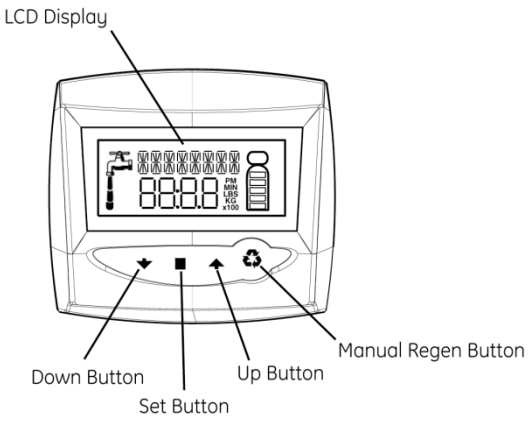
The Home Water Treatment System by *Professional Water Systems*

This system is one of the most advanced water conditioning systems available today. It is designed to provide you with superior performance and efficiency, together with state-of-the-art information and control systems. Most of the settings on this system require adjustment by a water conditioning professional to ensure optimal performance. This easy to follow ***Homeowner's Manual*** is designed to provide you with the basic operational information. For all other system questions or concerns, *please contact Professional Water Systems.*

Water Conditioning & Regeneration

The media inside this system uses salt to condition the water. After the media has used all of its own salt, the salt must be replaced. This replacement salt comes from the brine tank. The process of the salt replacement from the brine tank to the media is called *the regeneration* step.

Regeneration normally takes place automatically at night so that it does not interfere with normal use of conditioned water. This valve has the ability to count the gallons being used and to calculate when the system should be regenerated. Therefore, the system will not regenerate until it is necessary. In order for regeneration to proceed properly, there must be salt in the brine tank.



Level 1 Programming

This water conditioner has been designed to continuously monitor your water supply and how you use it in your home. Level I program parameters are those that can be accessed by the end user by pressing the SET button. They include:

- Time of Day
- Day of Week
- Time of Regeneration

Setting Time of Day

Upon initial start up of the controller, the time of day must be set. The words **Time of Day** will scroll across the banner display and the currently programmed time of day will be flashing below. If the time is not flashing, press the **SET** button. To change the time of day, press and hold the **UP** or **DOWN** button until the correct time is displayed. Press the **SET** button to accept the selection.

NOTE: When the controller is set for a twelve-hour clock, a PM indicator will illuminate when the displayed time is in the PM hours. There is no AM indicator.

Setting the Day of Week

After setting the Time of Day, the banner display will show the word **Day** followed by an abbreviated day of the week.

SU = Sunday	TH = Thursday
MO = Monday	FR = Friday
TU = Tuesday	SA = Saturday

Use the **UP** or **DOWN** arrow buttons to change the flashing day of week. Press the **SET** button when the current day of week is flashing.

Setting Regeneration Time

The **Regeneration Time** is the setting that allows the programming to select the time of day when regeneration should occur. The words **Regeneration Time** will scroll through the banner display. To change the regeneration time, press and hold the UP or DOWN button until the desired regeneration time is displayed. Press SET to lock this time into memory.

NOTE: When the controller is set for a twelve-hour clock, a PM indicator will illuminate when the displayed time is in the PM hours. There is no AM indicator.

Extra Cycle Regeneration

Occasionally, you may want to fully regenerate the conditioner manually before it regenerates automatically. This would be the case if you see the "volume remaining" is low and you know that you will use a lot of water during the following day. Occasions for this may be the anticipated arrival of guests in your home or an unusually large amount of laundry to clean the next day. If this occurs, merely press the **Manual Regen** button once.

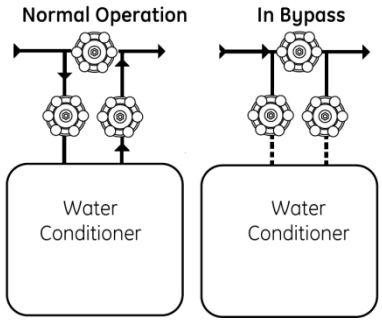
The banner will scroll **Delayed Regen**. Regeneration will occur at the designated time of day, (e.g. 2:00 AM). Press the **SET** button. The unit will regenerate at that time. For immediate regeneration, press the UP button and the banner will scroll **Immediate Regen**. Press the **SET** button. Regeneration will begin within 5 minutes. For the next two hours, your home will have only raw water (unconditioned) water available. If this is not acceptable, press the **UP** button once more and the banner will return to **Delayed Regen**. Press the **SET** button and regeneration will take place at the predetermined time.

Power Backup

This system is protected from a power outage by a super capacitor, located behind the front display panel. This enables the controller to maintain the proper time and counting gallon usage during a power outage. The control will not display light, but the system will continue to keep time and gallon count for up to eight hours. When power is restored, the system will resume normal operation.

Treated Water Bypass

If it should be necessary to shut off the water going to the water conditioner, you can turn the system bypass valves at the rear of the control valve. Merely turn the valve handle as indicated in the diagram.



Time of Day Changes

The manufacturer suggests that all programming changes be made by a trained technician. Your system installer has programmed your water conditioner to meet the specific parameters of your water supply and your projected water usage. However, there may be an occasion when you need to change the Time of Day setting on the water conditioner. To change the Time of Day, simply follow the instructions on Page 2 of this manual.

System Maintenance and Service

Like any household appliance, this system requires regular maintenance to ensure optimum performance. We recommend that you keep the conditioner clean and clear of debris. Additionally, we recommend that you refrain from putting anything into the brine tank unless specified by your water conditioner dealer. To do otherwise may damage the internal parts of the water conditioner.

The water conditioner uses salt for regeneration. Again, we suggest you follow the recommendations of your dealer as to the type of salt used in your system. We do recommend that you always have a fresh supply of salt on hand to keep sufficient salt in the brine tank.

We also recommend that your system receive a scheduled cleaning, or replacement, of the brine injector and other internal parts which may, over time, collect dirt from your water supply and salt.

Contact Professional Water to schedule a regular maintenance visit.

Installation Record

Model Number _____

Water Test _____

Capacity of Unit _____ Max._____Per Regeneration

Mineral Tank Size: Diameter _____ Height _____

Under Bedding _____ Amount _____

Type of Media _____ Cubic feet _____

Brine Tank Size _____

Valve Programming

Water Hardness _____ System Capacity _____

Regeneration Time _____

Regeneration Cycle Step #1:	Brine Tank fill	Automatic
Regeneration Cycle Step #2:	Brine making	_____
Regeneration Cycle Step #3:	Brine & slow rinse	_____
Regeneration Cycle Step #4:	Backwash	_____
Regeneration Cycle Step #5:	Fast Rinse	_____
Regeneration Cycle Step #6:		Off

Notes

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